GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: June 25, 2003, 14:42:11 ; Search time 10.8031 Seconds
(without alignments)
283.251 Million cell updates/sec

Title: US-09-622-613B-2
Perfect score: 578
Sequence: 1 QDWLTFQKKHLTNTRDVDCN.....TFCVTCENQAPVHFVGVGHC 104

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	558	96.5	104	1	US-08-467-955-2	Sequence 2, Appli
2	556	96.2	104	4	US-09-394-268-1	Sequence 1, Appli
3	556	96.2	104	4	US-09-687-748-1	Sequence 1, Appli
4	556	96.2	129	3	US-08-875-811-63	Sequence 63, Appl
5	556	96.2	379	3	US-08-875-811-43	Sequence 43, Appl
6	553	95.7	104	1	US-08-283-971-1	Sequence 1, Appli
7	553	95.7	104	1	US-07-921-619-1	Sequence 1, Appli
8	553	95.7	104	1	US-08-467-955-1	Sequence 1, Appli
9	553	95.7	104	2	US-08-891-848-13	Sequence 13, Appl
10	553	95.7	105	3	US-08-875-811-39	Sequence 39, Appl
11	553	95.7	355	3	US-08-875-811-41	Sequence 41, Appl
12	553	95.7	358	3	US-08-875-811-51	Sequence 51, Appl
13	551	95.3	104	3	US-08-875-811-1	Sequence 1, Appli
14	551	95.3	104	4	US-09-071-672-1	Sequence 1, Appli
15	551	95.3	106	3	US-08-875-811-28	Sequence 28, Appl
16	551	95.3	107	3	US-08-875-811-30	Sequence 30, Appl
17	551	95.3	112	3	US-08-875-811-32	Sequence 32, Appl
18	551	95.3	251	3	US-08-875-811-59	Sequence 59, Appl
19	551	95.3	254	3	US-08-875-811-61	Sequence 61, Appl
20	551	95.3	355	3	US-08-875-811-49	Sequence 49, Appl
21	551	95.3	355	3	US-08-875-811-57	Sequence 57, Appl
22	551	95.3	355	3	US-08-875-811-64	Sequence 64, Appl
23	551	95.3	366	3	US-08-875-811-55	Sequence 55, Appl
24	548	94.8	104	4	US-09-394-268-2	Sequence 2, Appli
25	548	94.8	104	4	US-09-687-748-2	Sequence 2, Appli
26	546	94.5	105	3	US-08-875-811-24	Sequence 24, Appl
27	546	94.5	105	3	US-08-875-811-26	Sequence 26, Appl
28	542	93.8	358	3	US-08-875-811-45	Sequence 45, Appl
29	542	93.8	365	3	US-08-875-811-53	Sequence 53, Appl
30	527	91.2	107	3	US-08-875-811-20	Sequence 20, Appl
31	490	84.8	360	3	US-08-875-811-47	Sequence 47, Appl
32	483.5	83.7	111	3	US-08-875-811-22	Sequence 22, Appl
33	445	77.0	83	3	US-08-875-811-2	Sequence 2, Appli
34	445	77.0	83	4	US-09-071-672-3	Sequence 3, Appli
35	289	50.0	111	2	US-08-891-848-12	Sequence 12, Appl
36	289	50.0	111	3	US-08-875-811-8	Sequence 8, Appli
37	217.5	37.6	114	4	US-09-223-118-4	Sequence 4, Appli
38	205.5	35.6	114	4	US-09-223-118-2	Sequence 2, Appli
39	204.5	35.4	114	4	US-09-223-118-1	Sequence 1, Appli
40	202.5	35.0	114	4	US-09-223-118-3	Sequence 3, Appli
41	157.5	27.2	169	1	US-08-441-629-2	Sequence 2, Appli
42	157.5	27.2	169	3	US-08-776-207-2	Sequence 2, Appli
43	157.5	27.2	169	4	US-09-507-773-2	Sequence 2, Appli
44	157.5	27.2	169	5	PCT-US95-09172-2	Sequence 2, Appli
45	146	25.3	28	3	US-08-875-811-3	Sequence 3, Appli

ALIGNMENTS

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RESULT 1
US-08-467-955-2
; Sequence 2, Application US/08467955
; Patent No. 5728805
;  GENERAL INFORMATION:
;    APPLICANT:  Ardelt Ph.D, Wojciech J.
;    TITLE OF INVENTION:  PHARMACEUTICALS AND METHOD FOR MAKING THEM
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Mark H. Jay, P.A.
;      STREET:  P.O. Box E
;      CITY:  Short Hills
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07078-0383
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/467,955
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/178,118
;      FILING DATE:  06-APR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/436,141
;      FILING DATE:  13-NOV-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/814,332
;      FILING DATE:  03-FEB-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/283,970
;      FILING DATE:  01-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jay, Mark H.
;      REGISTRATION NUMBER:  27507
;      REFERENCE/DOCKET NUMBER:  5007 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-912-9066
;      TELEFAX:  201-912-0442
;      TELEX:  No. 5728805 Applicable
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  104 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
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;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  N
;    ANTI-SENSE:  N
;    FRAGMENT TYPE:  N-terminal
;    ORIGINAL SOURCE:
;      ORGANISM:  Rana pipiens
;      DEVELOPMENTAL STAGE:  Oocyte
US-08-467-955-2

  Query Match             96.5%;  Score 558;  DB 1;  Length 104;
  Best Local Similarity   96.2%;  Pred. No. 1.3e-60;
  Matches  100;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

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              :|||||||||:||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 EDWLTFQKKHVTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60

Qy         61 SEFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
              |||||||||||||||||||||| |||||||||||||||| |
Db         61 SEFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGRC 104


RESULT 2
US-09-394-268-1
; Sequence 1, Application US/09394268
; Patent No. 6175003
; GENERAL INFORMATION:
;  APPLICANT: Saxena, Shailendra K
;  TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF
;  TITLE OF INVENTION: MAKING THEM
;  FILE REFERENCE: 5013
;  CURRENT APPLICATION NUMBER: US/09/394,268
;  CURRENT FILING DATE: 1999-09-10
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 104
;   TYPE: PRT
;   ORGANISM: Rana pipiens
US-09-394-268-1

  Query Match             96.2%;  Score 556;  DB 4;  Length 104;
  Best Local Similarity   96.2%;  Pred. No. 2.2e-60;
  Matches  100;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

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              ||||||||||:||||||||:||||||||||||||||||||||||||||||||||||||||||
Db          1 QDWLTFQKKHITNTRDVDCDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60

Qy         61 SEFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
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Db         61 SEFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGSC 104


RESULT 3
US-09-687-748-1
; Sequence 1, Application US/09687748
; Patent No. 6423515
; GENERAL INFORMATION:
;  APPLICANT:  Saxena, Shailendra K
;  TITLE OF INVENTION:  METHODS OF MAKING NUCLEIC ACIDS ENCODING RIBONUCLEASES
;  FILE REFERENCE:  5013 US 01
;  CURRENT APPLICATION NUMBER: US/09/687,748
;  CURRENT FILING DATE:  2000-10-14
;  PRIOR APPLICATION NUMBER:  09/394,268
;  PRIOR FILING DATE:  1999-09-10
;  NUMBER OF SEQ ID NOS:  8
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 104
;   TYPE: PRT
;   ORGANISM: Rana pipiens
US-09-687-748-1

  Query Match             96.2%;  Score 556;  DB 4;  Length 104;
  Best Local Similarity   96.2%;  Pred. No. 2.2e-60;
  Matches  100;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          1 QDWLTFQKKHLTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60
              ||||||||||:||||||||:||||||||||||||||||||||||||||||||||||||||||
Db          1 QDWLTFQKKHITNTRDVDCDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60

Qy         61 SEFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
              |||||||||||||||||||||| |||||||||||||||| |
Db         61 SEFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGSC 104


RESULT 4
US-08-875-811-63
; Sequence 63, Application US/08875811
; Patent No. 6045793
;  GENERAL INFORMATION:
;    APPLICANT:  Rybak, Susanna M.
;    APPLICANT:  Newton, Dianne L.
;    APPLICANT:  Boque, Lluis
;    APPLICANT:  Wlodawer, Alexander
;    TITLE OF INVENTION:  Recombinant Ribonuclease Proteins
;    NUMBER OF SEQUENCES:  64
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/875,811
;      FILING DATE:  19-FEB-1998
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/US97/02588
;      FILING DATE:  19-FEB-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/011,800
;      FILING DATE:  21-FEB-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Faris, Susan K.
;      REGISTRATION NUMBER:  41,739
;      REFERENCE/DOCKET NUMBER:  015280-244100US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  63:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  129 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-875-811-63

  Query Match             96.2%;  Score 556;  DB 3;  Length 129;
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  Matches  100;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

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Db         26 QDWLTFQKKHITNTRDVDCDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 85

Qy         61 SEFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
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Db         86 SEFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGSC 129
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RESULT 5
US-08-875-811-43
; Sequence 43, Application US/08875811
; Patent No. 6045793
;  GENERAL INFORMATION:
;    APPLICANT:  Rybak, Susanna M.
;    APPLICANT:  Newton, Dianne L.
;    APPLICANT:  Boque, Lluis
;    APPLICANT:  Wlodawer, Alexander
;    TITLE OF INVENTION:  Recombinant Ribonuclease Proteins
;    NUMBER OF SEQUENCES:  64
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/875,811
;      FILING DATE:  19-FEB-1998
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/US97/02588
;      FILING DATE:  19-FEB-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/011,800
;      FILING DATE:  21-FEB-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Faris, Susan K.
;      REGISTRATION NUMBER:  41,739
;      REFERENCE/DOCKET NUMBER:  015280-244100US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  43:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  379 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-875-811-43

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  Best Local Similarity   96.2%;  Pred. No. 1.2e-59;
  Matches  100;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

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              ||||||||||:||||||||:||||||||||||||||||||||||||||||||||||||||||
Db         26 QDWLTFQKKHITNTRDVDCDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 85

Qy         61 SEFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
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Db         86 SEFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGSC 129


RESULT 6
US-08-283-971-1
; Sequence 1, Application US/08283971
; Patent No. 5529775
;  GENERAL INFORMATION:
;    APPLICANT:  Ardelt Ph.D, Wojciech J.
;    APPLICANT:  Mikulski, Stanislaw M.
;    TITLE OF INVENTION:  PHARMACEUTICAL FOR TREATING TUMORS IN HUMANS
;    NUMBER OF SEQUENCES:  1
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Mark H. Jay, P.C.
;      STREET:  P.O. Box 020083, General Post Office
;      CITY:  Brooklyn
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11202-0002
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/283,971
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/921,180
;      FILING DATE:  30-JUL-1992
;      APPLICATION NUMBER:  US 07/178,118
;      FILING DATE:  06-APR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/436,141
;      FILING DATE:  13-NOV-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jay, Mark H.
;      REGISTRATION NUMBER:  27507
;      REFERENCE/DOCKET NUMBER:  5006 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  718-625-0399
;      TELEFAX:  718-625-0399
;      TELEX:  No. 5529775 Applicable
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  104 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  N
;    ANTI-SENSE:  N
;    FRAGMENT TYPE:  N-terminal
;    ORIGINAL SOURCE:
;      ORGANISM:  Rana pipiens
;      DEVELOPMENTAL STAGE:  Embryo
US-08-283-971-1

  Query Match             95.7%;  Score 553;  DB 1;  Length 104;
  Best Local Similarity   95.2%;  Pred. No. 5.2e-60;
  Matches   99;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          1 QDWLTFQKKHLTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60
              :|||||||||:||||||||:||||||||||||||||||||||||||||||||||||||||||
Db          1 EDWLTFQKKHITNTRDVDCDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60

Qy         61 SEFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
              |||||||||||||||||||||||| |||||||||||||||| |
Db         61 SEFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGSC 104


RESULT 7
US-07-921-619-1
; Sequence 1, Application US/07921619
; Patent No. 5595734
;  GENERAL INFORMATION:
;    APPLICANT:  Ardelt Ph.D, Wojciech J.
;    APPLICANT:  Mikulski, Stanislaw M.
;    TITLE OF INVENTION:  PHARMACEUTICAL FOR TREATING TUMORS IN HUMANS
;    NUMBER OF SEQUENCES:  1
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Mark H. Jay, P.C.
;      STREET:  P.O. Box 020083, General Post Office
;      CITY:  Brooklyn
;      STATE:  New York
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;       COUNTRY:  USA
;       ZIP:  11202-0002
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.24
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/07/921,619
;       FILING DATE:  19920728
;       CLASSIFICATION:  530
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/178,118
;       FILING DATE:  06-APR-1988
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/436,141
;       FILING DATE:  13-NOV-1989
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Jay, Mark H.
;       REGISTRATION NUMBER:  27507
;       REFERENCE/DOCKET NUMBER:  5005 US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  718-625-0399
;       TELEFAX:  718-625-0399
;       TELEX:  No. 5595734 Applicable
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  104 amino acids
;       TYPE:  AMINO ACID
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
;     HYPOTHETICAL:  N
;     ANTI-SENSE:  N
;     FRAGMENT TYPE:  N-terminal
;     ORIGINAL SOURCE:
;       ORGANISM:  Rana pipiens
;       DEVELOPMENTAL STAGE:  Embryo
US-07-921-619-1

  Query Match             95.7%;  Score 553;  DB 1;  Length 104;
  Best Local Similarity   95.2%;  Pred. No. 5.2e-60;
  Matches   99;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          1 QDWLTFQKKHLTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60
              :|||||||||:|||||||:||||||||||||||||||||||||||||||||||||||||||
Db          1 EDWLTFQKKHITNTRDVDCDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60

Qy         61 SEFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
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Db         61 SEFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGSC 104


RESULT 8
US-08-467-955-1
; Sequence 1, Application US/08467955
; Patent No. 5728805
;  GENERAL INFORMATION:
;    APPLICANT:  Ardelt Ph.D, Wojciech J.
;    TITLE OF INVENTION:  PHARMACEUTICALS AND METHOD FOR MAKING THEM
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Mark H. Jay, P.A.
;      STREET:  P.O. Box E
;      CITY:  Short Hills
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07078-0383
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/467,955
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/178,118
;      FILING DATE:  06-APR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/436,141
;      FILING DATE:  13-NOV-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/814,332
;      FILING DATE:  03-FEB-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/283,970
;      FILING DATE:  01-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jay, Mark H.
;      REGISTRATION NUMBER:  27507
;      REFERENCE/DOCKET NUMBER:  5007 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-912-9066
;      TELEFAX:  201-912-0442
;      TELEX:  No. 5728805 Applicable
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  104 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  N
;    ANTI-SENSE:  N
;    FRAGMENT TYPE:  N-terminal
;    ORIGINAL SOURCE:
;      ORGANISM:  Rana pipiens
;      DEVELOPMENTAL STAGE:  Oocyte
US-08-467-955-1

  Query Match             95.7%;  Score 553;  DB 1;  Length 104;
  Best Local Similarity   95.2%;  Pred. No. 5.2e-60;
  Matches   99;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          1 QDWLTFQKKHLTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60
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Db          1 EDWLTFQKKHITNTRDVDCDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60

Qy         61 SEFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
              |||||||||||||||||||||||| |||||||||||||||| |
Db         61 SEFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGSC 104


RESULT 9
US-08-891-848-13
; Sequence 13, Application US/08891848
; Patent No. 5955073
;  GENERAL INFORMATION:
;    APPLICANT:  Rybak, Susanna M.
;    APPLICANT:  Youle, Richard J.
;    APPLICANT:  Newton, Dianne L.
;    APPLICANT:  Nicholls, Peter J.
;    TITLE OF INVENTION:  Selective RNase Cytotoxic Reagents
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
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;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/891,848
;       FILING DATE:  No. 5955073 yet assigned
;       CLASSIFICATION:  530
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/125,462
;       FILING DATE:  22-SEP-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/014,082
;       FILING DATE:  04-FEB-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/779,195
;       FILING DATE:  22-OCT-1991
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/510,696
;       FILING DATE:  20-APR-1990
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Weber, Ellen Lauver
;       REGISTRATION NUMBER:  32,762
;       REFERENCE/DOCKET NUMBER:  015280-110310US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 576-0200
;       TELEFAX:  (415) 576-0300
;   INFORMATION FOR SEQ ID NO:  13:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  104 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
;     FEATURE:
;       NAME/KEY:  Protein
;       LOCATION:  1..104
;       OTHER INFORMATION:  /label= Onc
;       OTHER INFORMATION:  /note= "Onconase from Rana pipiens"
US-08-891-848-13

  Query Match             95.7%;  Score 553;  DB 2;  Length 104;
  Best Local Similarity   95.2%;  Pred. No. 5.2e-60;
  Matches   99;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          1 QDWLTFQKKHLTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60
              :|||||||||:||||||||:||||||||||||||||||||||||||||||||||||||||
Db          1 EDWLTFQKKHITNTRDVDCDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60

Qy         61 SEFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
              |||||||||||||||||||||| |||||||||||||||| |
Db         61 SEFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGSC 104


RESULT 10
US-08-875-811-39
; Sequence 39, Application US/08875811
; Patent No. 6045793
;  GENERAL INFORMATION:
;    APPLICANT:  Rybak, Susanna M.
;    APPLICANT:  Newton, Dianne L.
;    APPLICANT:  Boque, Lluis
;    APPLICANT:  Wlodawer, Alexander
;    TITLE OF INVENTION:  Recombinant Ribonuclease Proteins
;    NUMBER OF SEQUENCES:  64
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/875,811
;      FILING DATE:  19-FEB-1998
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/US97/02588
;      FILING DATE:  19-FEB-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/011,800
;      FILING DATE:  21-FEB-1996
;    ATTORNEY/AGENT INFORMATION: ,
;      NAME:  Faris, Susan K.
;      REGISTRATION NUMBER:  41,739
;      REFERENCE/DOCKET NUMBER:  015280-244100US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  39:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  105 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-875-811-39

  Query Match             95.7%;  Score 553;  DB 3;  Length 105;
  Best Local Similarity   95.2%;  Pred. No. 5.3e-60;
  Matches   99;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          1 QDWLTFQKKHLTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60
              :|||||||||:||||||||:||||||||||||||||||||||||||||||||||||||||
Db          2 EDWLTFQKKHITNTRDVDCDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 61

Qy         61 SEFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
              |||||||||||||||||||||| |||||||||||||||| |
Db         62 SEFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGSC 105


RESULT 11
US-08-875-811-41
; Sequence 41, Application US/08875811
; Patent No. 6045793
;  GENERAL INFORMATION:
;    APPLICANT:  Rybak, Susanna M.
;    APPLICANT:  Newton, Dianne L.
;    APPLICANT:  Boque, Lluis
;    APPLICANT:  Wlodawer, Alexander
;    TITLE OF INVENTION:  Recombinant Ribonuclease Proteins
;    NUMBER OF SEQUENCES:  64
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/875,811
;      FILING DATE:  19-FEB-1998
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/US97/02588
;      FILING DATE:  19-FEB-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/011,800
;      FILING DATE:  21-FEB-1996
```

```
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Faris, Susan K.
;      REGISTRATION NUMBER:  41,739
;      REFERENCE/DOCKET NUMBER:  015280-244100US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  41:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  355 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-875-811-41

  Query Match             95.7%;  Score 553;  DB 3;  Length 355;
  Best Local Similarity   95.2%;  Pred. No. 2.6e-59;
  Matches   99;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          1 QDWLTFQKKHLTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60
              :|||||||||:||||||||:||||||||||||||||||||||||||||||||||||||||
Db        252 EDWLTFQKKHITNTRDVDCDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 311

Qy         61 SEFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
              |||||||||||||||||||||| |||||||||||||||| |
Db        312 SEFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGSC 355


RESULT 12
US-08-875-811-51
; Sequence 51, Application US/08875811
; Patent No. 6045793
;  GENERAL INFORMATION:
;    APPLICANT:  Rybak, Susanna M.
;    APPLICANT:  Newton, Dianne L.
;    APPLICANT:  Boque, Lluis
;    APPLICANT:  Wlodawer, Alexander
;    TITLE OF INVENTION:  Recombinant Ribonuclease Proteins
;    NUMBER OF SEQUENCES:  64
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/875,811
;      FILING DATE:  19-FEB-1998
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/US97/02588
;      FILING DATE:  19-FEB-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/011,800
;      FILING DATE:  21-FEB-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Faris, Susan K.
;      REGISTRATION NUMBER:  41,739
;      REFERENCE/DOCKET NUMBER:  015280-244100US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  51:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  358 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-875-811-51

  Query Match             95.7%;  Score 553;  DB 3;  Length 358;
  Best Local Similarity   95.2%;  Pred. No. 2.6e-59;
  Matches   99;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          1 QDWLTFQKKHLTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 60
              :|||||||||:||||||||:||||||||||||||||||||||||||||||||||||||||
Db          2 EDWLTFQKKHITNTRDVDCDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTT 61

Qy         61 SEFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
              |||||||||||||||||||||| |||||||||||||||| |
Db         62 SEFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGSC 105


RESULT 13
US-08-875-811-1
; Sequence 1, Application US/08875811
; Patent No. 6045793
;  GENERAL INFORMATION:
;    APPLICANT:  Rybak, Susanna M.
;    APPLICANT:  Newton, Dianne L.
;    APPLICANT:  Boque, Lluis
;    APPLICANT:  Wlodawer, Alexander
;    TITLE OF INVENTION:  Recombinant Ribonuclease Proteins
;    NUMBER OF SEQUENCES:  64
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/875,811
;      FILING DATE:  19-FEB-1998
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/US97/02588
;      FILING DATE:  19-FEB-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/011,800
;      FILING DATE:  21-FEB-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Faris, Susan K.
;      REGISTRATION NUMBER:  41,739
;      REFERENCE/DOCKET NUMBER:  015280-244100US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  104 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    FEATURE:
;      NAME/KEY:  Protein
;      LOCATION:  1..104
;      OTHER INFORMATION:  /label= nOnc
;      OTHER INFORMATION:  /note= "native ONCONASE (Registered
;      OTHER INFORMATION:  Trademark) from Rana pipiens"
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1
;      OTHER INFORMATION:  /note= "Xaa = pyroglutamic acid"
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US-08-875-811-1

  Query Match             95.3%;  Score 551;  DB 3;  Length 104;
  Best Local Similarity   96.1%;  Pred. No. 9.1e-60;
  Matches   99;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          2 DWLTFQKKHLTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTTS 61
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Db          2 DWLTFQKKHITNTRDVDCDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTTS 61

Qy         62 EFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
              |||||||||||||||||||| |||||||||||||||| |
Db         62 EFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGSC 104


RESULT 14
US-09-071-672-1
; Sequence 1, Application US/09071672
; Patent No. 6395276
;  GENERAL INFORMATION:
;    APPLICANT:  Rybak, Susanna M.
;    APPLICANT:  Newton, Dianne L.
;    APPLICANT:  Goldenberg, David M.
;    TITLE OF INVENTION:  Immunotoxins Directed Against Malignant
;    TITLE OF INVENTION:  Cells
;    NUMBER OF SEQUENCES:  3
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/071,672
;      FILING DATE:  01-MAY-1998
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/046,895
;      FILING DATE:  02-MAY-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Weber, Ellen Lauver
;      REGISTRATION NUMBER:  32,762
;      REFERENCE/DOCKET NUMBER:  015280-32510US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  104 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1
;      OTHER INFORMATION:  /product= "OTHER"
;      OTHER INFORMATION:  /note= "Xaa = Glu or pyroglutamic acid"
;    FEATURE:
;      NAME/KEY:  Protein
;      LOCATION:  1..104
;      OTHER INFORMATION:  /note= "RNase A derived from
;      OTHER INFORMATION:  Rana pipiens, "onc protein""
US-09-071-672-1

  Query Match             95.3%;  Score 551;  DB 4;  Length 104;
  Best Local Similarity   96.1%;  Pred. No. 9.1e-60;
  Matches   99;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          2 DWLTFQKKHLTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTTS 61
              |||||||||:|||||||:||||||||||||||||||||||||||||||||||||||||||
Db          2 DWLTFQKKHITNTRDVDCDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTTS 61

Qy         62 EFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
              |||||||||||||||||||| |||||||||||||||| |
Db         62 EFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGSC 104


RESULT 15
US-08-875-811-28
; Sequence 28, Application US/08875811
; Patent No. 6045793
;  GENERAL INFORMATION:
;    APPLICANT:  Rybak, Susanna M.
;    APPLICANT:  Newton, Dianne L.
;    APPLICANT:  Boque, Lluis
;    APPLICANT:  Wlodawer, Alexander
;    TITLE OF INVENTION:  Recombinant Ribonuclease Proteins
;    NUMBER OF SEQUENCES:  64
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/875,811
;      FILING DATE:  19-FEB-1998
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/US97/02588
;      FILING DATE:  19-FEB-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/011,800
;      FILING DATE:  21-FEB-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Faris, Susan K.
;      REGISTRATION NUMBER:  41,739
;      REFERENCE/DOCKET NUMBER:  015280-244100US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  28:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  106 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-875-811-28

  Query Match             95.3%;  Score 551;  DB 3;  Length 106;
  Best Local Similarity   96.1%;  Pred. No. 9.3e-60;
  Matches   99;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          2 DWLTFQKKHLTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTTS 61
              |||||||||:|||||||:||||||||||||||||||||||||||||||||||||||||||
Db          4 DWLTFQKKHITNTRDVDCDNIMSTNLFHCKDKNTFIYSRPEPVKAICKGIIASKNVLTTS 63

Qy         62 EFYLSDCNVTSRPCKYKLKKSTNTFCVTCENQAPVHFVGVGHC 104
              |||||||||||||||||||| |||||||||||||||| |
Db         64 EFYLSDCNVTSRPCKYKLKKSTNKFCVTCENQAPVHFVGVGSC 106


Search completed: June 25, 2003, 15:00:15
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Job time : 11.8031 secs